ELSEVIER

Agricultural Water Management 60 (2003) 241–242

Agricultural water management

www.elsevier.com/locate/agwat

Contents of *Agricultural Water Management*, Volume 60

VOLUME 60 ISSUE 1 **30 APRIL 2003**

Effects of different drip irrigation programs on the boll number and shedding percentage and yield of cotton
A. Ertek (Isparta, Turkey) and R. Kanber (Adana, Turkey) 1
Actual and potential salt-related soil degradation in an irrigated rice scheme in the Sahelian zone of Mauritania
P.J.A. van Asten (St. Louis, Senegal and Wageningen, The Netherlands), L. Barbiéro (Dakar, Senegal), M.C.S. Wopereis (St. Louis, Senegal), J.L. Maeght (Dakar, Senegal) and S.E.A.T.M. van der Zee (Wageningen, The Netherlands) . . . 13
A model study of mole drain spacing and performance
M. Rodgers, J. Mulqueen and J. McHale (Galway, Ireland) 33
Maize grain yield variability between irrigation stands: a theoretical study
J.-E. Bergez and S. Nolleau (Castanet Tolosan, France) 43
Characterizing ground water use by safflower using weighing lysimeters
R.W.O. Soppe and J.E. Ayars (Parlier, CA, USA) 59

VOLUME 60 ISSUE 2 **23 MAY 2003**

Drip irrigation emitter clogging in Dutch greenhouses as affected by methane and organic acids
C. de Kreij, A.M.M. van der Burg and W.T. Runia (Naaldwijk, The Netherlands) 73
Mulching decreases nitrate leaching in bell pepper (*Capsicum annuum* L.) cultivation
D. Romic, M. Romic, J. Borosic and M. Poljak (Zagreb, Croatia) 87
Modeling root growth and the soil–plant–atmosphere continuum of cotton crops
M.B. Coelho (Viçosa, Brazil), F.J. Villalobos and L. Mateos (Córdoba, Spain) . . . 99
Evapotranspiration analysis and irrigation requirements of quinoa (*Chenopodium quinoa*) in the Bolivian highlands
M. Garcia (La Paz, Bolivia), D. Raes (Leuven, Belgium) and S.-E. Jacobsen (Lima, Peru) 119
The response of sugar beet to drip and low-pressure sprinkler irrigation in southern Italy
R. Tognetti, M. Palladino (Campobasso, Italy), A. Minnocci (Pisa, Italy), S. Delfine and A. Alvino (Campobasso, Italy) 135

doi:10.1016/S0378-3774(03)00117-3

VOLUME 60 ISSUE 3 **31 MAY 2003**

New empirical formula for hourly estimations of reference evapotranspiration
S. Alexandris and P. Kerkides (Athens, Greece) 157
Fixed versus variable bulk canopy resistance for reference evapotranspiration estimation using the Penman–Monteith equation under semiarid conditions
S. Lecina, A. Martínez-Cob (Zaragoza, Spain), P.J. Pérez (Lleida, Spain), F.J. Villalobos (Córdoba, Spain) and J.J. Baselga (Badajoz, Spain) 181
Monitoring water and NO_3-N in irrigated maize fields in the Sorraia Watershed, Portugal
M.R. Cameira, R.M. Fernando and L.S. Pereira (Lisbon, Portugal) 199
Economic analysis of rainwater harvesting and irrigation methods, with an example from China
T. Yuan, L. Fengmin and L. Puhai (Lanzhou, PR China) 217
Estimation of advance and infiltration equations in furrow irrigation for untested discharges
J.A.R. Alvarez (Habana, Cuba) 227

Contents of *Agricultural Water Management*, Volume 60 241